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**SYSTEMS AND METHODS FOR AUTOMATED NAVIGATION BETWEEN  
DYNAMIC DATA WITH DISSIMILAR STRUCTURES**

**Abstract of the Disclosure**

5 Systems and methods are provided for automating navigation between dynamic data  
that has dissimilar structures, such as navigating between relational tables that have only a  
subset of their columns in common. That is, given a source dataset and source element  
collection, we want to navigate to an element collection in one or more target datasets. The  
automated navigation system includes an inter-dataset navigation engine that determines the  
best matching element collection within a plurality of target datasets. One method employed  
includes finding a descriptor of the target element collection in a target dataset. Then, a  
distance metric is computed between each source and target element. Lastly, a list that  
contains an entry for each target dataset along with its associated target element collection  
and distance value is output for use in a particular analysis task.

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